

Abstract

**[HOUSING] STRUCTURE FOR MOUNTING [OPTICAL ELEMENTS] A
PROJECTION LENS ASSEMBLY IN A PROJECTION EXPOSURE SYSTEM
FOR MANUFACTURING SEMICONDUCTORS**

[In a housing] A structure for mounting an assembly of optical elements disposed within a housing, in particular of a projection lens assembly of [housing in] a projection exposure system for manufacturing semiconductor elements[, attachment locations, which have connecting parts, for connection to a supporting structure are provided on structural elements. Supporting elements, which are provided with mounting flanges for connection to the supporting structure, act on the structural elements in such a way that weight forces are taken up essentially by pressure forces and shear forces] includes a plurality of supporting elements, each respective one of which forms part of a respective one of a plurality of connections through which the housing of the assembly is connected to said supporting structure through which the weight of the assembly is transferred to the supporting structure in such a way that supporting forces generated by said supporting structure are taken up by pressure forces and shear forces which act on at least one of the supporting elements.

[FIGURE 4]

Abstract

**STRUCTURE FOR MOUNTING A PROJECTION LENS ASSEMBLY IN A
PROJECTION EXPOSURE SYSTEM FOR MANUFACTURING
SEMICONDUCTORS**

A structure for mounting an assembly of optical elements disposed within a housing, in particular of a projection lens assembly of a projection exposure system for manufacturing semiconductor elements includes a plurality of supporting elements, each respective one of which forms part of a respective one of a plurality of connections through which the housing of the assembly is connected to said supporting structure through which the weight of the assembly is transferred to the supporting structure in such a way that supporting forces generated by said supporting structure are taken up by pressure forces and shear forces which act on at least one of the supporting elements.